

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/002754

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C12G3/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, FSTA, BIOSIS, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 0060, no. 85 (C-103), 22 May 1982 (1982-05-22) & JP 57 016689 A (SAKURA UZUMAKI SYUZO KK), 28 January 1982 (1982-01-28) abstract	1-5
A	----- DATABASE WPI Section Ch, Week 198629 Derwent Publications Ltd., London, GB; Class D16, AN 1986-186399 XP002305246 & JP 61 119182 A (UNKAI SHUZOU KK) 6 June 1986 (1986-06-06) abstract ----- -/-	1-5

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

12 November 2004

Date of mailing of the international search report

07/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Koch, J

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/002754

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 10, 8 October 2003 (2003-10-08) & JP 2003 159045 A (NANSHU SHUZO KK; KUMAMOTO SUIKEN:KK; REBYUU:KK), 3 June 2003 (2003-06-03) abstract	1-5
A	PATENT ABSTRACTS OF JAPAN vol. 0123, no. 72 (C-533), 5 October 1988 (1988-10-05) & JP 63 123371 A (TAKESHI SHIMODA), 27 May 1988 (1988-05-27) abstract	1-5

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/002754

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 57016689	A	28-01-1982	NONE	
JP 61119182	A	06-06-1986	JP 63066195 B	20-12-1988
JP 2003159045	A	03-06-2003	NONE	
JP 63123371	A	27-05-1988	NONE	